



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/economy

GAF Materials Corporation
1361 Alps Road
Wayne, NJ 07470

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: : GAF Plaza Deck

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 13-0603.22 and consists of pages 1 through 19.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 13-0820.04
Expiration Date: 09/18/17
Approval Date: 07/31/14
Page 1 of 19

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Material: APP/SBS/TPO/Elastomeric
Deck Type: Concrete
Maximum Design Pressure: -607.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Ruberoid® Mop Smooth	39.37" (1 meter) Wide	ASTM D6164	A smooth surfaced mop applied SBS base sheet reinforced with a polyester mat.
Ruberoid® Mop Smooth 1.5	39.37" (1 meter) Wide	ASTM D6164	A smooth surfaced mop applied SBS base sheet reinforced with a polyester mat.
Ruberoid® Mop Plus Smooth	39.37" (1 meter) Wide	ASTM D6164	A smooth surfaced mop applied SBS base or ply sheet reinforced with a polyester mat.
Ruberoid® Dual Smooth	39.37" (1 meter) Wide	ASTM D6162	A smooth surfaced mop applied SBS base or ply sheet reinforced with a fiberglass/polyester/composite mat.
Ruberoid Torch Smooth	39.37" (1 meter) Wide	ASTM D6222	A smooth surfaced torch applied APP base or ply sheet reinforced with a polyester mat.
Tri-Ply® TP-4	39.37" (1 meter) Wide	ASTM D6222	A smooth surfaced torch applied APP cap, base or ply sheet reinforced with a polyester mat.
EverGuard® TPO FB Ultra	Various	ASTM D6878 TAS-131	Thermoplastic olefin reinforced, fleece back single-ply membrane
EverGuard® TPO Detailing Membrane	24" x 50'	Proprietary	Unreinforced flashing material manufactured from GAF TPO.
EverGuard® TPO Flashing Strip	Various	Proprietary	Reinforced flashing membrane manufactured from GAF TPO.
Topcoat® TPO Red Primer	1 gallon	Proprietary	Tinted primer used on TPO to improved adhesion of Topcoat® coatings.
Topcoat® Surface Seal SB	5 or 55 gallons	ASTM D6083	Solvent based sprayable thermoplastic rubber sealant designed to protect and restore aged roof surfaces and to increase roof reflectivity.



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Topcoat [®] Membrane	1, 5 or 55 gallons	ASTM D6083	Acrylic, water based elastomeric membrane system designed to protect various types of roof surfaces.
Matrix [™] 102 SBS Membrane Adhesive	3, 5, 55 gallons	Proprietary	Fiber reinforced rubberized cold-applied adhesive for modified bitumen roof systems.
Matrix [™] 307 Premium Asphalt Primer	3, 5, 55 gallons	ASTM D41	Asphalt concrete primer used to promote adhesion of all types of asphalt-based roofing materials.
LRF Adhesive M	1:1 applicator	Proprietary	A dual component foamable adhesive.
LRF Adhesive O	1:1 applicator	Proprietary	A dual component polyurethane adhesive used to adhere single ply roof covers.
WeatherWatch [®] XT Mat Surfaced Leak Barrier	36" x 50' rolls 36" x 66.7' rolls	ASTM D1970	Mat surfaced SBS modified, fiberglass reinforced, bituminous sheet material for used as a leak barrier underlayment.
UnderRoof [™] 2 Polyester-Surfaced Leak Barrier	39 3/8" x 67.8' rolls	ASTM D1970	Self-adhering reinforced membrane of SBS modified asphalt with polyester surfacing for use as a leak barrier underlayment or vapor retarder.
UnderRoof [™] HT High Temperature Leak Barrier	39 3/8" x 67.8' rolls	ASTM D1970	Self-adhering SBS membrane with a top surface and reinforcement consisting of a coated polyester mat for us as a leak barrier underlayment or vapor retarder.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RH Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RH Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RN Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RN Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
DensDeck® Roof Board, DensDeck® DuraGuard® Roof Board, DensDeck® Prime® Roof Board	Gypsum board	Georgia Pacific Gypsum LLC
Securock™ Gypsum-Fiber Roof Board	Gypsum board	USG Corporation

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Ceramic Tiles	12" x 12" x ½"	ASTM C56 & ANSI A137.1	Ceramic plaza deck walking tiles, 5% water absorption max.	Generic
Asphalt Primer	Various	ASTM D41	Asphalt based primer used as a bonding coat for preparation of roof surfaces.	Generic
FlexBond Thin-Set Mortar	15 lb. Box, 25 & 50 Bags	ANSI A118.1 & A118.4	A polymer-modified mortar.	Custom Building Products
Thin-Set Mortar	15 lb. Box, 25 & 50 Bags	ANSI A118.1 & A118.4	A polymer-modified mortar.	Custom Building Products
Olybond 500® Olybond 500® Green	1:1 applicator	Proprietary	A dual component polyurethane adhesive.	OMG

EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Underwriters Laboratories, Inc.	UL 790	File R1306 Project 99NK29257	03/16/00
Exterior Research & Design, LLC.	TAS 114	#18031.02LAB	07/01/02
Trinity ERD	ASTM D6222	G40620.07.12-2	07/17/12
	ASTM D6164	G31360.03.10	03/31/10
	ASTM D6222	G30250.02.10-2	02/11/10
	ASTM D6164	G33470.01.11	01/13/11
	TAS 114-D	18031.07.02-R1	09/07/10
	TAS 114-D	G6040.03.07-R2	02/04/08
	ASTM D6164	G40630.01.14-2A-1	01/07/14
	ASTM D5147	G43190.05.14-R1	05/20/14
	ASTM D6222	G30250.02.10-2	11/11/10
PRI Construction Materials Technologies LLC	ASTM D1970	GAF-238-02-01	03/03/10
	ASTM D1970	GAF-343-02-01	04/23/12
	ASTM D1970	GAF-275-02-01	11/11/10
	ASTM D1970	GAF-344-02-01	04/23/12
	TAS 114-D	GAF-416-02-01	06/26/13
	ASTM D6878/TAS-131	GAF-425-02-01	11/11/13
	TAS 114-H	GAF 082-02-01	05/07/06
	ASTM D6083	GAF-084-02-01	05/07/06
	ASTM C1289	GAF-369-02-01	10/22/12
	ASTM C1289	GAF-464-02-01	02/05/14
	Physical Properties	GAF 508-02-01	03/12/14
FM Approvals	4470	3044862	05/11/12
	4470	3034312	04/09/09
	4470	3044688	03/01/12
	4470	3034312	04/09/09
	4470	3040738	11/16/10
	4470	3041769	05/26/11
	4470	3035140	08/10/09
Momentum Technologies, Inc.	ASTM D6162	AX04C9A	06/05/09
	ASTM D6083	EX14A3A	02/26/04



APPROVED APPLICATIONS:

Membrane Type:	APP/SBS
Deck Type 3I:	Insulated Concrete Decks, Roof Plaza Decks, Parking Decks
Deck Description:	Structural Concrete Deck
System Type A(1):	Ruberoid® or Tri-Ply® membranes adhered directly to insulation board with concrete slab surfacing.
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer applied at the rate of 1-2 gallons per 100 square feet.
Base Insulation:	Min. 1.5" thick EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation or EnergyGuard™ RN Polyiso Insulation adhered to deck with LRF Adhesive M, Olybond 500® or Olybond 500® Green with continuous ¾" to 1" minimum wide beads of adhesive spaced 12" on center.
Top Insulation:	Min. 0.5" DensDeck® Roof Board adhered to insulation with LRF Adhesive M, Olybond 500® or Olybond 500® Green with a continuous 0.75" to 1" minimum wide beads of adhesive spaced 12" on center, beads shall be perpendicular to bottom layer of insulations.
Base Ply(s):	One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3.0" wide laps or Ruberoid® Torch Smooth torch applied with minimum 3.0" wide laps. All membranes must be applied in accordance with manufacturer's application instructions.
Top Ply:	One ply of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3.0" wide laps or Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied with minimum 3.0" wide laps. All membranes must be applied in accordance with manufacturer's application instructions.
Membrane Flashing:	Membrane flashings shall consist of a minimum of two plies of Ruberoid® Torch Smooth, Tri-Ply® TP-4, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth membrane. Penetration flashings must be a minimum of 8" above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Integrity Test:	(Required) Shall be performed in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.

Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Protection and/or Drainage Layer:	Install drainage board over top ply membrane.
Surfacing:	Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code.
Maximum Design Pressure:	N/A

Membrane Type:	APP/SBS
Deck Type 3I:	Insulated Concrete Decks, Roof Plaza Decks, Parking Decks
Deck Description:	Structural Concrete Deck
System Type A(2):	Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer applied at the rate of 0.75 gal./sq.
Vapor Retarder:	UnderRoof™ 2 Polyester-Surfaced Leak Barrier or UnderRoof™ HT High Temperature Leak Barrier self-adhered to primed deck and rolled with a weighted roller.
Insulation:	<p>Insulation is adhered to deck with Olybond 500® or Olybond 500® Green with a continuous 0.75" to 1" minimum wide beads of adhesive spaced 12" on center.</p> <p>Min. 0.5" thick EnergyGuard™ Tapered Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation, EnergyGuard™ RH Tapered Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation or EnergyGuard™ RN Tapered Polyiso Insulation.</p> <p>OR</p> <p>Min. 1" thick EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RA Tapered Polyiso Insulation.</p>
Base Ply:	WeatherWatch® XT Mat Surfaced Leak Barrier self-adhered to the insulation in accordance with manufacturer's application instructions.
Membrane:	One ply of Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied with minimum 3.0" wide laps in accordance with manufacturer's application instructions.
Membrane Flashing:	Membrane flashings shall consist of a minimum of two plies of Ruberoid® Torch Smooth or Tri-Ply® TP-4 membrane. Penetration flashings must be a minimum of 8 inches above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Integrity Test:	(Required) Shall be performed in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Protection and/or Drainage Layer:	Install drainage board over top ply membrane.
Surfacing:	Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code.
Maximum Design Pressure:	N/A

Membrane Type:	APP/SBS
Deck Type 3I:	Insulated Concrete Decks, Roof Plaza Decks, Parking Decks
Deck Description:	Structural Concrete Deck
System Type A(3):	Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer applied at the rate of 0.75 gal./sq.
Vapor Retarder:	UnderRoof™ 2 Polyester-Surfaced Leak Barrier or UnderRoof HT™ High Temperature Leak Barrier self-adhered to primed deck and rolled with a weighted roller.
Insulation:	Insulation is adhered to deck with Olybond 500® or Olybond 500® Green with a continuous 0.75" to 1" minimum wide beads of adhesive spaced 12" on center. Min. 0.5" thick EnergyGuard™ Tapered Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation, EnergyGuard™ RH Tapered Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation or EnergyGuard™ RN Tapered Polyiso Insulation. OR Min. 1" thick EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RA Tapered Polyiso Insulation.
Cover Board:	Min. 0.5" DensDeck® DuraGuard® Roof Board, DensDeck® Prime® Roof Board or Securock® Gypsum-Fiber Roof Board adhered to insulation with Olybond 500® or Olybond 500® Green with a continuous ¾" to 1" minimum wide beads of adhesive spaced 6" on center, beads shall be perpendicular to bottom layer of insulations.
Base Ply:	WeatherWatch® XT Mat Surfaced Leak Barrier self-adhered in accordance with manufacturer's application instructions.
Membrane:	One ply of Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied with minimum 3.0" wide laps in accordance with manufacturer's application instructions.
Membrane Flashing:	Membrane flashings shall consist of a minimum of two plies of Ruberoid® Torch Smooth or Tri-Ply® TP-4 membrane. Penetration flashings must be a minimum of 8" above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Integrity Test:	(Required) Shall be performed in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Protection and/or Drainage Layer:	Install drainage board over top ply membrane
Surfacing:	Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code.
Maximum Design Pressure:	N/A

Membrane Type:	TPO
Deck Type 3I:	Insulated Concrete Decks, Roof Plaza Decks, Balconies
Deck Description:	Structural Concrete Deck
System Type A(4):	EverGuard® TPO FB Ultra adhered in LRF Adhesive M
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Insulation:	Min. 1" thick EnergyGuard™ Polyiso Insulation or EnergyGuard™ RH Polyiso Insulation adhered to deck with LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 12" on center.
Cover Board:	Min. 0.25" Securock® Gypsum-Fiber Roof Board adhered to insulation with LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 12" on center.
Membrane:	One ply of EverGuard® TPO FB Ultra adhered in LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 6" on center. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.
Membrane Flashing:	Penetration flashings must be a minimum of 8" above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Membrane Primer:	Topcoat® TPO Red Primer is applied at 0.5 gal./sq. to the membrane in accordance with manufacturer's instructions.
Coating:	Topcoat® Surface Seal SB is applied at 1 gal./sq. to the primed membrane in accordance with manufacturer's instructions.
Surfacing:	Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12" x 12" x $\frac{5}{16}$ " thick. Tiles shall be embedded into Custom Building Products FlexBond thin-set mortar applied with a $\frac{1}{4}$ " square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Maximum Design Pressure:	-297.5 psf. (See General Limitation #9)

Membrane Type:	TPO
Deck Type 3I:	Insulated Concrete Decks, Roof Plaza Decks, Balconies
Deck Description:	Structural Concrete Deck
System Type A(5):	EverGuard® TPO FB Ultra adhered in LRF Adhesive M
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Insulation:	Min. 1" thick EnergyGuard™ Polyiso Insulation or EnergyGuard™ RH Polyiso Insulation adhered to deck with LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 6" on center.
Cover Board:	Min. 0.25" SecureRock® Gypsum-Fiber Roof Board adhered to insulation with LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 6" on center.
Membrane:	One ply of EverGuard® TPO FB Ultra adhered in LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 6" on center. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.
Membrane Flashing:	Penetration flashings must be a minimum of 8" above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Membrane Primer:	Topcoat® TPO Red Primer is applied at 0.5 gal./sq. to the membrane in accordance with manufacturer's instructions.
Coating:	Topcoat® Surface Seal SB is applied at 1 gal./sq. to the primed membrane in accordance with manufacturer's instructions.
Surfacing:	Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12" x 12" x $\frac{5}{16}$ " thick. Tiles shall be embedded into Custom Building Products FlexBond thin-set mortar applied with a $\frac{1}{4}$ " square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Maximum Design Pressure:	-340 psf. (See General Limitation #9)

Membrane Type:	TPO
Deck Type 3I:	Insulated Concrete Decks, Roof Plaza Decks, Balconies
Deck Description:	Structural Concrete Deck
System Type A(6):	EverGuard® TPO FB Ultra adhered in LRF Adhesive O or LRF Adhesive M
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Insulation:	Min. 1" thick EnergyGuard™ Polyiso Insulation or EnergyGuard™ RH Polyiso Insulation adhered to deck with Olybond 500® or Olybond 500® Green in a continuous 1" minimum wide ribbon of adhesive spaced 12" on center.
Cover Board:	Min. 0.25" Securock® Gypsum-Fiber Roof Board adhered to insulation with Olybond 500® or Olybond 500® Green in a continuous 1" minimum wide ribbon of adhesive spaced 12" on center.
Membrane:	One ply of EverGuard® TPO FB Ultra adhered in LRF Adhesive O or LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 12" on center. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.
Membrane Flashing:	Penetration flashings must be a minimum of 8" above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Membrane Primer:	Topcoat® TPO Red Primer is applied at 0.5 gal./sq. to the membrane in accordance with manufacturer's instructions.
Coating:	Topcoat® Surface Seal SB is applied at 1 gal./sq. to the primed membrane in accordance with manufacturer's instructions.
Surfacing:	Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12" x 12" x $\frac{5}{16}$ " thick. Tiles shall be embedded into Custom Building Products FlexBond® thin-set mortar applied with a $\frac{1}{4}$ " square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Maximum Design Pressure:	-312.5 psf. (See General Limitation #9)

Membrane Type:	TPO
Deck Type 3I:	Insulated Concrete Decks, Roof Plaza Decks, Balconies
Deck Description:	Structural Concrete Deck
System Type A(7):	EverGuard® TPO FB Ultra adhered in LRF Adhesive O or LRF Adhesive M
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Insulation:	Min. 1" thick EnergyGuard™ Polyiso Insulation or EnergyGuard™ RH Polyiso Insulation adhered to deck with Olybond 500® or Olybond 500® Green in a continuous 1" minimum wide ribbon of adhesive spaced 6" on center.
Cover Board:	Min. 0.25" Securock® Gypsum-Fiber Roof Board adhered to insulation with Olybond 500® or Olybond 500® Green in a continuous 1" minimum wide ribbon of adhesive spaced 6" on center.
Membrane:	One ply of EverGuard® TPO FB Ultra adhered in LRF Adhesive O or LRF Adhesive M in a continuous 1" minimum wide ribbon of adhesive spaced 6" on center. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.
Membrane Flashing:	Penetration flashings must be a minimum of 8" above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Membrane Primer:	Topcoat® TPO Red Primer is applied at 0.5 gal./sq. to the membrane in accordance with manufacturer's instructions.
Coating:	Topcoat® Surface Seal SB is applied at 1 gal./sq. to the primed membrane in accordance with manufacturer's instructions.
Surfacing:	Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12" x 12" x ⁵ / ₁₆ " thick. Tiles shall be embedded into Custom Building Products FlexBond® thin-set mortar applied with a 1/4" square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Maximum Design Pressure:	-315 psf. (See General Limitation #9)

Membrane Type:	APP/SBS
Deck Type 3:	Non-Insulated, Concrete Decks, Roof Plaza Decks, Parking Decks
Deck Description:	Structural Concrete Deck
System Type F(1):	Ruberoid® or Tri-Ply® membranes adhered directly to substrate with concrete slab surfacing.
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer applied at the rate of 1-2 gallons per 100 square feet.
Base Ply(s):	<p>One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3.0” wide laps.</p> <p>Or</p> <p>One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied Matrix™ 102 SBS Membrane Adhesive at 1-2 gallons/square with minimum 3.0” wide laps.</p> <p>Or</p> <p>Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied with minimum 3.0” wide laps.</p> <p>All membranes must be applied in accordance with manufacturer's application instructions.</p>
Top Ply:	<p>One ply of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.</p> <p>Or</p> <p>One ply of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied in Matrix™ 102 SBS Adhesive at an application rate of 1-2 gal./sq. with minimum 3.0” wide laps</p> <p>Or</p> <p>Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied with minimum 3.0” wide laps.</p> <p>All membranes must be applied in accordance with manufacturer's application instructions.</p>
Membrane Flashing:	Membrane flashings shall consist of a minimum of two plies of Ruberoid® Torch Smooth, Tri-Ply® TP-4, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth membrane. Penetration flashings must be a minimum of 8” above the top surface of the traffic surfacing and extend horizontally on the deck 4” and then 8” for the flashing base and cap plies respectively.
Integrity Test:	Required, and shall be performed in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.

Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Protection and/or Drainage Layer:	Install drainage board over top ply membrane
Surfacing:	Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code.
Maximum Design Pressure:	N/A


Membrane Type:	SBS
Deck Type 3:	Non-Insulated, Concrete Decks, Roof Plaza Decks, Parking Decks
Deck Description:	Structural Concrete Deck
System Type F(2):	Ruberoid® or Tri-Ply® membranes adhered directly to substrate with tile surfacing.
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer applied at the rate of 1-2 gallons per 100 square feet.
Base Ply(s):	One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3.0" wide laps applied in accordance with manufacturer's application instructions.
Top Ply:	One ply of Ruberoid Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth applied in approved asphalt in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3.0" wide laps applied in accordance with manufacturer's application instructions.
Membrane Flashing:	Membrane flashings shall consist of a minimum of two plies of Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth or Ruberoid® Dual Smooth membrane. Penetration flashings must be a minimum of 8" above the top surface of the traffic surfacing and extend horizontally on the deck 4" and then 8" for the flashing base and cap plies respectively.
Integrity Test:	Required, and shall be performed in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if desired.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Surfacing:	Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12" x 12" x ½" thick. Tiles shall be embedded into Custom Building Products thin-set mortar applied with a ¼" square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Maximum Design Pressure:	-447.5 psf. (See General Limitation #9)

Membrane Type:	APP
Deck Description:	Structural Concrete Deck
System Type F(3):	Ruberoid® or Tri-Ply® membranes adhered directly to substrate with tile surfacing
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer applied at the rate of 1-2 gallons per 100 square feet.
Base Ply(s):	One or two plies of Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch applied with 3.0” wide laps in accordance with manufacturer's application instructions.
Top Ply:	One ply of Ruberoid® Torch Smooth or Tri-Ply® TP-4 torch with minimum 3.0” wide laps in accordance with manufacturer's application instructions.
Membrane Flashing:	Membrane flashings shall consist of a minimum of two plies of Ruberoid® Torch Smooth or Tri-Ply® TP-4 membrane. Penetration flashings must be a minimum of 8” above the top surface of the traffic surfacing and extend horizontally on the deck 4” and then 8” for the flashing base and cap plies respectively.
Integrity Test:	Required, and shall be performed in accordance with ASTM D5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Surfacing:	Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12” x 12” x ½” thick. Tiles shall be embedded into Custom Building Products thin-set mortar or thin set/latex mix mortar applied with a ¼” square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Maximum Design Pressure:	-537.5 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Elastomeric Coating
Deck Type 3: Non-Insulated, Concrete Decks, Roof Plaza Decks
Deck Description: Structural Concrete Deck
System Type F(4): Primed structural concrete deck
Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer: Two coats of Topcoat® Surface Seal SB are applied at the rate of 1gal./sq. in accordance with manufacturer's instructions.
Surfacing: Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12" x 12" x 1/2" thick. Tiles shall be embedded into polymer modified Portland Cement applied with a 1/4" square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Maximum Design Pressure: -591 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Elastomeric Coating
Deck Type 3: Non-Insulated, Concrete Decks, Roof Plaza Decks
Deck Description: Structural Concrete Deck
System Type F(5): Primed structural concrete deck
Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, protrusions, clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer: Three coats of Topcoat® Membrane are applied at the rate of 1gal./sq. in accordance with manufacturer's instructions.
Surfacing: Apply exterior grade (ANSI A137.1) ceramic plaza deck walking tiles Minimum size of 12" x 12" x 1/2" thick. Tiles shall be embedded into polymer modified Portland Cement applied with a 1/4" square notched trowel. Tiles should then be carefully embedded in the mortar bed and tapped in place to insure full solid bearing. Tile shall be installed in accordance with applicable Building Code.
Maximum Design Pressure: -607.5 psf. (See General Limitation #9)

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
 2. A copy of the integrity test report described herein in accordance with ASTM D5957 shall be provided to the Building Official for review at time of final inspection.
 3. Contractor shall be approved by GAF.
 4. Flashings shall be installed according to the manufacturer's published standard details and shall be submitted to the Building Official for review.
 5. Contractor shall submit to the Building Official for review the system specifications and details. Submission of these documents, as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
 6. Systems shall not be installed over lightweight insulating concrete.
 7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
 8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.
 9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
 10. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
 11. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.
- A black oval seal with the text "MIAMI-DADE COUNTY" in white, bold, uppercase letters, and "APPROVED" in white, bold, uppercase letters below it.
12. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

